1134-83-197 **Jordan M Keller*** (jordan_keller@fas.harvard.edu). *Linear Stability of Higher Dimensional Schwarzschild Black Holes.*

The Schwarzschild-Tangherlini black holes are higher-dimensional generalizations of the Schwarzschild spacetimes, comprising a static, spherically symmetric family of black hole solutions to higher-dimensional vacuum gravity. The physical relevance of such solutions is intimately related to their stability under gravitational perturbations. This talk will address results on the linear stability of the Schwarzschild-Tangherlini black holes, part of ongoing joint work with Pei-Ken Hung and Mu-Tao Wang. (Received September 04, 2017)